D3415-041
B113764

Item ID:	D3415-041	Accept	*N9000040100*	Setup	Start	*NS1*

Revision ID:

Stop   *NS2*

Item Name:	Nut Plate		
Start Date:	2/24/14	**Start Qty:** 32.00	*32*	**Cust Item ID:**
Required Date:	2/24/14	**Req'd Qty:** 32.00	*32*	**Customer:**
Reference:			

Run   Start   *NR1*

Approvals:	**Process Plan:** MLJ	**Date:** 14-05-09	**Tooling:**	**Date:**
	QC:	**Date:**	**SPC (Y/N):**	**Date:**

Stop   *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	**Revision Nbr**								
D3415	C								
100 *100* Waterjet FLOW CNC Waterjet 304.063"	FLOW WATER JET Memo 1-Cut as per Dwg D3415 Dwg Rev: C Prog Rev: C 2-Deburr if necessary	0.00 0.00				32	0		Jm14-05-12
110 *110* QC Quality Control	QC2- Inspect parts off machine FAI/FAIB Memo	0.00 0.00				32	0		Jm14-05-12

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

DART AEROSPACE

QA Closed: _____ Date: _____   Work Order update only ☐

Work Order: _____	**DISPOSITION**		**AGAINST DEPARTMENT/PROCESS**			
Part No. _____	Rework ☐	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	
	Scrap ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coor. ☐	Quality ☐	
NCR No. _____	Use-as-is ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	
	Suspected Unapproved ☐	Large Fab ☐	Composite ☐	Supplier ☐		

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design ☐									
Doc/Data ☐									
Equip/Tooling ☐									
Handling/Pre ☐									
Material ☐									
Operator ☐									
Offset/Setup ☐									
Process ☐									
Supplier ☐									
Training ☐									
Transport ☐									
Unapproved ☐									

FAULT CATEGORY

Landing Gear
- ☐ Bending
- ☐ Centre Not Concentric
- ☐ Cracks
- ☐ Crimp/Kink/Ripple/Wave
- ☐ Cuffs
- ☐ Crushing
- ☐ Heat Treat
- ☐ Inspection Strip in Tube
- ☐ Marks/Chatter
- ☐ Turning Sequence
- ☐ Wave/Twist in Tube

General
- ☐ Bend
- ☐ BOM/Route
- ☐ Broken/Damage/Defect
- ☐ Burrs
- ☐ Contamination
- ☐ Countersink
- ☐ Cut Too Short
- ☐ Drawing
- ☐ Drill Holes
- ☐ Finish
- ☐ Fit/Function

- ☐ Folio/Program
- ☐ Grain
- ☐ Hardware
- ☐ Inspection Incomplete/Unqualified
- ☐ Instructions Incomplete/Unclear
- ☐ Misaligned/off center
- ☐ Mislabeled
- ☐ Misread
- ☐ Off-set
- ☐ Out of Calibration
- ☐ Out of Sequence

- ☐ Outside Dimensions
- ☐ Over/Under tolerance
- ☐ Part Incorrect
- ☐ Part Lost/Missing
- ☐ Part Moved
- ☐ Positioned Wrong
- ☐ Power Loss/Surge

- ☐ Pressure/Forced
- ☐ Set-up
- ☐ Temperature/Cure
- ☐ Weld
- ☐ Wrong Stock Pulled
- ☐ Other

_____
_____
_____

113764

Item ID:	D3415-041			Accept	*N9000401nn*	Setup	Start	*NS1*
Revision ID:							Stop	*NS2*
Item Name:	Nut Plate							

Start Date:	2/24/14	Start Qty:	32.00	*32*	Cust Item ID:			
Required Date:	2/24/14	Req'd Qty:	32.00	*32*	Customer:			
Reference:								

						Run	Start	*NR1*
Approvals:	Process Plan: _____	Date: _____	Tooling: _____	Date: _____			Stop	*NR2*
	QC: _____	Date: _____	SPC (Y/N): _____	Date: _____				

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120 ***120*** QC Quality Control	QC8- Inspect parts - second check Memo	0.00 27 9-89 0.00 14/5/12				30 Cen			
130 ***130*** Small Fab Small Fab	Small Fab Memo 1- Deburr 2-C'sink as per Dwg D3415	0.00 0.00				32x		14/05/13	DAS 36 9-89
140 ***140*** QC Quality Control	QC5- Inspect part completeness to step on W/O Memo	0.00 27 9-89 0.00 M/5/13	DAS			32 Cen			

DQA: _____ Date: _____

DART AEROSPACE

QA Closed: _____ Date: _____   Work Order update only ☐

Work Order: _____	DISPOSITION	AGAINST DEPARTMENT/PROCESS

Work Order: _____

Part No. _____

NCR No. _____

DISPOSITION

Rework ☐
Scrap ☐
Use-as-is ☐
Suspected Unapproved ☐

AGAINST DEPARTMENT/PROCESS

Skid-tube ☐ Crosstube ☐ Water Jet ☐ Engineering ☐
Machining ☐ Small Fab ☐ Prod. Eng. Coor. ☐ Quality ☐
Thermoforming ☐ Finishing ☐ Rec/Store/Packaging ☐ Other ☐
Large Fab ☐ Composite ☐ Supplier ☐

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design ☐									
Doc/Data ☐									
Equip/Tooling ☐									
Handling/Pre ☐									
Material ☐									
Operator ☐									
Offset/Setup ☐									
Process ☐									
Supplier ☐									
Training ☐									
Transport ☐									
Unapproved ☐									

FAULT CATEGORY

Landing Gear

☐ Bending
☐ Centre Not Concentric
☐ Cracks
☐ Crimp/Kink/Ripple/Wave
☐ Cuffs
☐ Crushing
☐ Heat Treat
☐ Inspection Strip in Tube
☐ Marks/Chatter
☐ Turning Sequence
☐ Wave/Twist in Tube

General

☐ Bend
☐ BOM/Route
☐ Broken/Damage/Defect
☐ Burrs
☐ Contamination
☐ Countersink
☐ Cut Too Short
☐ Drawing
☐ Drill Holes
☐ Finish
☐ Fit/Function

☐ Folio/Program
☐ Grain
☐ Hardware
☐ Inspection Incomplete/Unqualified
☐ Instructions Incomplete/Unclear
☐ Misaligned/off center
☐ Mislabeled
☐ Misread
☐ Off-set
☐ Out of Calibration
☐ Out of Sequence

☐ Outside Dimensions
☐ Over/Under tolerance
☐ Part Incorrect
☐ Part Lost/Missing
☐ Part Moved
☐ Positioned Wrong
☐ Power Loss/Surge

☐ Pressure/Forced
☐ Set-up
☐ Temperature/Cure
☐ Weld
☐ Wrong Stock Pulled
☐ Other

_____
_____
_____

Item ID:	D3415-041			Accept	***N900040100***	Setup	Start	***NS1***
Revision ID:							Stop	***NS2***
Item Name:	Nut Plate							

Start Date:	2/24/14	Start Qty: 32.00	***32***		Cust Item ID:			
Required Date:	2/24/14	Req'd Qty: 32.00	***32***		Customer:			
Reference:								

						Run	Start	***NR1***
Approvals:	Process Plan: _____	Date: _____	Tooling: _____	Date: _____			Stop	***NR2***
	QC: _____	Date: _____	SPC (Y/N): _____	Date: _____				

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
150 ***150*** Powdercoat Powder Coating	White Gloss(Ref:4.3.5.1) per QSI005 4.3-Alum *M 128959 ·* Memo START TIME: *11:00* OVEN TEMPERATURE: *400°* FINISH TIME: *11:30*	0.00 0.00				*32*	*0*	*14-5-21.*	*DAS 34 9-89*
160 ***160*** QC Quality Control	QC3- Inspect Part Finish Memo	0.00 0.00				*32x*		*14/05/21*	*DAS 36 9-89*
170 ***170*** Small Fab Small Fab	Small Fab Memo Install Nut plate as per Dwg D3415	0.00 0.00				*32*		*14/05/21*	*DAS 36 9-89*

DQA: _____ Date: _____

⟍DART *AEROSPACE*

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____   Work Order update only ☐

Work Order: _____		
Part No. _____		
NCR No. _____		

DISPOSITION

Rework ☐
Scrap ☐
Use-as-is ☐
Suspected Unapproved ☐

AGAINST DEPARTMENT/PROCESS

Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐
Machining ☐	Small Fab ☐	Prod. Eng. Coor. ☐	Quality ☐
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐
Large Fab ☐	Composite ☐	Supplier ☐	

Root Cause		Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design	☐									
Doc/Data	☐									
Equip/Tooling	☐									
Handling/Pre	☐									
Material	☐									
Operator	☐									
Offset/Setup	☐									
Process	☐									
Supplier	☐									
Training	☐									
Transport	☐									
Unapproved	☐									

FAULT CATEGORY

Landing Gear

☐ Bending
☐ Centre Not Concentric
☐ Cracks
☐ Crimp/Kink/Ripple/Wave
☐ Cuffs
☐ Crushing
☐ Heat Treat
☐ Inspection Strip in Tube
☐ Marks/Chatter
☐ Turning Sequence
☐ Wave/Twist in Tube

General

☐ Bend
☐ BOM/Route
☐ Broken/Damage/Defect
☐ Burrs
☐ Contamination
☐ Countersink
☐ Cut Too Short
☐ Drawing
☐ Drill Holes
☐ Finish
☐ Fit/Function

☐ Folio/Program
☐ Grain
☐ Hardware
☐ Inspection Incomplete/Unqualified
☐ Instructions Incomplete/Unclear
☐ Misaligned/off center
☐ Mislabeled
☐ Misread
☐ Off-set
☐ Out of Calibration
☐ Out of Sequence

☐ Outside Dimensions
☐ Over/Under tolerance
☐ Part Incorrect
☐ Part Lost/Missing
☐ Part Moved
☐ Positioned Wrong
☐ Power Loss/Surge

☐ Pressure/Forced
☐ Set-up
☐ Temperature/Cure
☐ Weld
☐ Wrong Stock Pulled

☐ Other

_____
_____
_____

Item ID:	D3415-041	Accept	***N9000401N0***
Revision ID:			
Item Name:	Nut Plate		

Start Date:	2/24/14	**Start Qty:** 32.00	***32***
Required Date:	2/24/14	**Req'd Qty:** 32.00	***32***
Reference:			

Cust Item ID:
Customer:

Setup Start ***NS1***
       Stop   ***NS2***

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run Start ***NR1***
     Stop   ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
180 ***180*** QC Quality Control	QC5- Inspect part completeness to step on W/O	0.00 DAS 27 9-89				30			
	Memo	0.00 MIS21							
190 ***190*** Packaging Packaging	Identify as per dwg & Stock Location: ST042	0.00				32 x		DAS 28 9-89 MAY 2 2 2014	
	Memo	0.00							
200 ***200*** QC Quality Control	QC21- Final Inspection - Work Order Release	0.00				14/5/22			
	Memo	0.00							MLS 14-05-22

DQA: _____ Date: _____

QA Closed: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

DART AEROSPACE

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	**DISPOSITION**	**AGAINST DEPARTMENT/PROCESS**

DISPOSITION

Rework	☐
Scrap	☐
Use-as-is	☐
Suspected Unapproved	☐

AGAINST DEPARTMENT/PROCESS

Skid-tube	☐	Crosstube	☐	Water Jet	☐	Engineering	☐
Machining	☐	Small Fab	☐	Prod. Eng. Coor.	☐	Quality	☐
Thermoforming	☐	Finishing	☐	Rec/Store/Packaging	☐	Other	☐
Large Fab	☐	Composite	☐	Supplier	☐		

Root Cause		Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design	☐									
Doc/Data	☐									
Equip/Tooling	☐									
Handling/Pre	☐									
Material	☐									
Operator	☐									
Offset/Setup	☐									
Process	☐									
Supplier	☐									
Training	☐									
Transport	☐									
Unapproved	☐									

FAULT CATEGORY

Landing Gear

☐	Bending
☐	Centre Not Concentric
☐	Cracks
☐	Crimp/Kink/Ripple/Wave
☐	Cuffs
☐	Crushing
☐	Heat Treat
☐	Inspection Strip in Tube
☐	Marks/Chatter
☐	Turning Sequence
☐	Wave/Twist in Tube

General

☐	Bend
☐	BOM/Route
☐	Broken/Damage/Defect
☐	Burrs
☐	Contamination
☐	Countersink
☐	Cut Too Short
☐	Drawing
☐	Drill Holes
☐	Finish
☐	Fit/Function

☐	Folio/Program
☐	Grain
☐	Hardware
☐	Inspection Incomplete/Unqualified
☐	Instructions Incomplete/Unclear
☐	Misaligned/off center
☐	Mislabeled
☐	Misread
☐	Off-set
☐	Out of Calibration
☐	Out of Sequence

☐	Outside Dimensions
☐	Over/Under tolerance
☐	Part Incorrect
☐	Part Lost/Missing
☐	Part Moved
☐	Positioned Wrong
☐	Power Loss/Surge

☐	Pressure/Forced
☐	Set-up
☐	Temperature/Cure
☐	Weld
☐	Wrong Stock Pulled
☐	Other

_____
_____
_____

Work Order ID: 113764

Parent Item: D3415-041

Parent Item Name: Nut Plate

113764

D3415-041

Start Date: 2/24/14 **Required Date:** 2/24/14

Start Qty: 32.00 **Required Qty:** 32.00

Comments: IPP: A05.10.03New issueKJ/JLM

IPP Rev:B Now on Waterjet 07-03-06 JLM IPP

REV:C 14.04.21 DWG rev.C DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued DAS	Status
MS20613-3C3		Purchased	No			100	Each	140.0000		64		36 9-89	
RIVET									**		14/05/21		

MS20427M3-3

Location | | Loc Qty | | Loc Code
ST312 | | 140
17654 | | 119
m105408 | | 21

M124231

| M304S16GA | | Purchased | No | | | 170 | sf | 81.5670 | 0.0131 | ① | | | |
| 304/316 Sheet .063 | | | | | | | | | ** | | | | |

Jm14-05-12

Location | | Loc Qty | | Loc Code
MAT020 | | 81.567
M127821 | | 78.567
M128423 | | 3

128423

| MS21070L4 | | Purchased | No | | | 170 | Each | 166.0000 | 1 | 32 | | DAS 36 9-89 | |
| Inventory | | | | | | | | | ** | | | 14/05/21 | |

Location | | Loc Qty | | Loc Code
ST317 | | 166
105878 | | 166

32

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

DART AEROSPACE

QA Closed: _____ Date: _____   Work Order update only ☐

Work Order: _____	DISPOSITION		AGAINST DEPARTMENT/PROCESS				

Work Order: _____

Part No. _____

NCR No. _____

DISPOSITION

Rework ☐
Scrap ☐
Use-as-is ☐
Suspected Unapproved ☐

AGAINST DEPARTMENT/PROCESS

Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐
Machining ☐	Small Fab ☐	Prod. Eng. Coor. ☐	Quality ☐
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐
Large Fab ☐	Composite ☐	Supplier ☐	

Root Cause		Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design	☐				*permanent change*	⋁				
Doc/Data	☐					*14-05?*				
Equip/Tooling	☐									
Handling/Pre	☐									
Material	☐									
Operator	☐									
Offset/Setup	☐									
Process	☐									
Supplier	☐									
Training	☐									
Transport	☐									
Unapproved	☐									

FAULT CATEGORY

Landing Gear	General			
☐ Bending	☐ Bend	☐ Folio/Program	☐ Outside Dimensions	☐ Pressure/Forced
☐ Centre Not Concentric	☐ BOM/Route	☐ Grain	☐ Over/Under tolerance	☐ Set-up
☐ Cracks	☐ Broken/Damage/Defect	☐ Hardware	☐ Part Incorrect	☐ Temperature/Cure
☐ Crimp/Kink/Ripple/Wave	☐ Burrs	☐ Inspection Incomplete/Unqualified	☐ Part Lost/Missing	☐ Weld
☐ Cuffs	☐ Contamination	☐ Instructions Incomplete/Unclear	☐ Part Moved	☐ Wrong Stock Pulled
☐ Crushing	☐ Countersink	☐ Misaligned/off center	☐ Positioned Wrong	
☐ Heat Treat	☐ Cut Too Short	☐ Mislabeled	☐ Power Loss/Surge	☐ Other
☐ Inspection Strip in Tube	☐ Drawing	☐ Misread		
☐ Marks/Chatter	☐ Drill Holes	☐ Off-set	_____	
☐ Turning Sequence	☐ Finish	☐ Out of Calibration	_____	
☐ Wave/Twist in Tube	☐ Fit/Function	☐ Out of Sequence	_____	

| DART AEROSPACE LTD		Work Order:	113764
Description: Nut Plate		Part Number:	D3415-041
Inspection Dwg: D3415 Rev: B			Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

[X]   First Article   [ ]   Prototype

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
0.370	+/-0.010	0.370"	—		✓	Jronos
0.280	+/-0.010	0.780"	—		✓	
0.350	+/-0.010	0.350"	—		✓	
0.200	+/-0.010	0.200"	—		✓	
Ø0.266	+0.006/-0.001	0.268"	—		✓	
Ø0.104	+0.004/-0.001	0.105"	—		✓	
Ø0.136	+0.005/-0.001	0.138"	—		✓	
			DAS 27			

Measured by:	JM	Audited by:	9-89	Prototype Approval:	N/A
Date:	14-05-12.	Date:	14/5/12	Date:	N/A

Rev	Date	Change		Revised by	Approved
A	07.09.26	New Issue		KJ/EC/DD	

ITEM	QTY -041	P/N	DESCRIPTION
	X	D3415-041	NUT PLATE
1	1	D3415-1	PLATE
2	1	NASM21070L4	NUT PLATE, SELF-LOCKING
3	2	NASM20427M3-3	RIVET, SOLID, CSK

Ø0.136 THRU
CSK Ø0.230 X 100°
2 PL

0.370
TYP

Ø0.104 THRU
CSK Ø0.180 X 100°
4 PL

D3415-1 PLATE

0.400   0.560

Ø0.266

Ø1.37

0.350
TYP
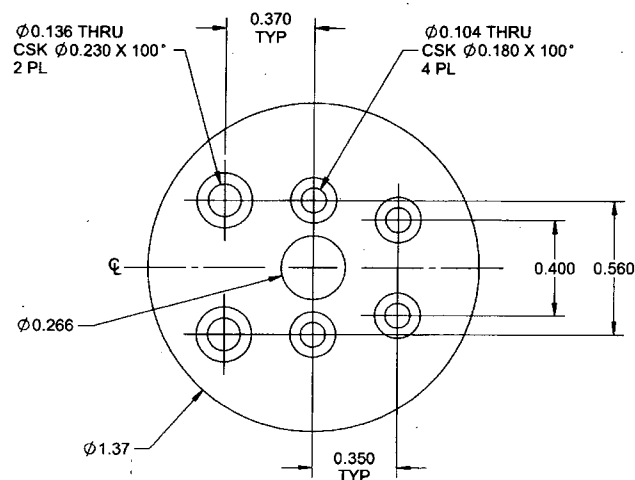
D3415-1 PLATE
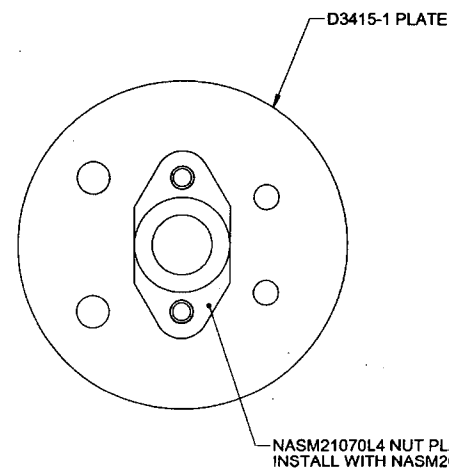
D3415-041 NUT PLATE

NASM21070L4 NUT PLATE (1)
INSTALL WITH NASM20427M3-3 RIVETS (2)
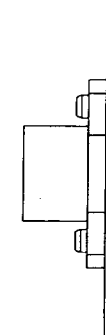
NOTES:
1) MATERIAL: AISI 304/316 SS SHEET, AS PER MIL-S-5059, OR AMS 5513 (304), OR AMS 5524 (316)
   OR ASTM A240, OR ASME SA240 0.063 THICK (16 GAUGE, REF DART SPEC. M304S16GA)
2) FINISH: POWDER COAT "WHITE" (4.3.5.1) PER DART QSI 005 4.3
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: IDENTIFY WITH DART P/N "D3415-041" USING FINE POINT PERMANENT INK MARKER
7) WEIGHT: 0.03 lbs

C	NASM20424M3-3 WAS MS20613-3C3 NASM21070L4 WAS MS21070L4, REF CIR13-19	DW	13.10.23
B	ENLARGE ALL HOLES FOR POWDER COAT	CP	05.09.07
A	NEW ISSUE	CP	05.03.16
REV.	DESCRIPTION	BY	DATE

DESIGN	DW	**DART AEROSPACE LTD**	
DRAWN	DW	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. C
MFG. APPR.		D3415	SHEET 1 OF 1
APPROVED		TITLE	SCALE
DE APPR.		NUT PLATE	NTS
DATE 13.10.23		

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____   Work Order update only ☐

Work Order: _____	**DISPOSITION**	**AGAINST DEPARTMENT/PROCESS**

| Work Order: _____
 Part No. _____
 NCR No. _____ | Rework ☐
 Scrap ☐
 Use-as-is ☐
 Suspected Unapproved ☐ | Skid-tube ☐ Crosstube ☐ Water Jet ☐ Engineering ☐
 Machining ☐ Small Fab ☐ Prod. Eng. Coor. ☐ Quality ☐
 Thermoforming ☐ Finishing ☐ Rec/Store/Packaging ☐ Other ☐
 Large Fab ☐ Composite ☐ Supplier ☐ |

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design ☐									
Doc/Data ☐									
Equip/Tooling ☐									
Handling/Pre ☐									
Material ☐									
Operator ☐									
Offset/Setup ☐									
Process ☐									
Supplier ☐									
Training ☐									
Transport ☐									
Unapproved ☐									

FAULT CATEGORY

Landing Gear	**General**			
☐ Bending	☐ Bend	☐ Folio/Program	☐ Outside Dimensions	☐ Pressure/Forced
☐ Centre Not Concentric	☐ BOM/Route	☐ Grain	☐ Over/Under tolerance	☐ Set-up
☐ Cracks	☐ Broken/Damage/Defect	☐ Hardware	☐ Part Incorrect	☐ Temperature/Cure
☐ Crimp/Kink/Ripple/Wave	☐ Burrs	☐ Inspection Incomplete/Unqualified	☐ Part Lost/Missing	☐ Weld
☐ Cuffs	☐ Contamination	☐ Instructions Incomplete/Unclear	☐ Part Moved	☐ Wrong Stock Pulled
☐ Crushing	☐ Countersink	☐ Misaligned/off center	☐ Positioned Wrong	
☐ Heat Treat	☐ Cut Too Short	☐ Mislabeled	☐ Power Loss/Surge	☐ Other
☐ Inspection Strip in Tube	☐ Drawing	☐ Misread		
☐ Marks/Chatter	☐ Drill Holes	☐ Off-set	_____	
☐ Turning Sequence	☐ Finish	☐ Out of Calibration	_____	
☐ Wave/Twist in Tube	☐ Fit/Function	☐ Out of Sequence	_____	